

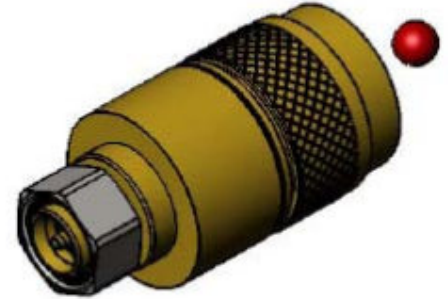


RFS Technologies' high performance Compression Connectors are designed for CELLFLEX® cables. They are designed specifically to provide the highest quality connector-cable interface while simplifying and speeding up connector attachment using compressing technologies. All RFS Technologies' connectors are fully tested for mechanical and electrical compliance to industry specifications.

The 4.3-10 connector is an innovative, space-saving RF connection meeting all requirements even under the most severe environmental conditions and not relying on coupling nut torque. Sealing against outer conductor and jacket by means of the o-ring and 360° compression fit. Multifunctional, self-lubricating HighTech polymer assembly locks on cable corrugation, avoids electrochemical potential differences and compression-fits to the jacket.

FEATURES / BENEFITS

- One-piece design together with Compression tools to minimize installation time required, improve installation security
- Ultra high PIM performance i.e. reduced interference leading to high customer satisfaction
- Watertight sealing to IP68
- Tri metal alloy plating i.e. extreme resistance against corrosion even under hardest climatic and environmental circumstances
- RoHS (EU) and CRoHS (China) compliant i.e. can be used on a global basis



Technical features

GENERAL SPECIFICATIONS

| | | |
|-------------------------------|--|--|
| Transmission Line Type | | Coaxial Cable LCF78 |
| Cable Size | | 7/8 |
| Cable Type | | Foam Dielectric, Low Loss |
| Model Series | | LCF78-50 Series |
| Connector Interface | | 4.3-10 |
| Connector Type | | Compression Connector PREMIUM Straight |
| Sealing Method | | 360° Compression |
| Gender | | Male |

ELECTRICAL SPECIFICATIONS

| | | |
|--|-----------|---|
| Nominal Impedance, ohms | Ohm | 50 |
| Insertion loss | dB | ≤0.05 |
| 3rd Order IM Product @ 2x20 Watts | dBc | -160 |
| Maximum Frequency | GHz | 6 |
| VSWR, Return Loss | VSWR (dB) | DC<f≤3.0 GHz: 1.05 (32.3) 3.0<f≤6.0 GHz: 1.10 (26.4) |

MECHANICAL SPECIFICATIONS

| | | |
|---------------------------------|---------|--------------------------|
| Plating Outer/Inner | | Tri metal alloy / Silver |
| Length | mm (in) | 67.8 (2.67) |
| Outer Diameter | mm (in) | 35 (1.38) |
| Inner Contact Attachment | | Compression |
| Outer Contact Attachment | | 360° clamping |

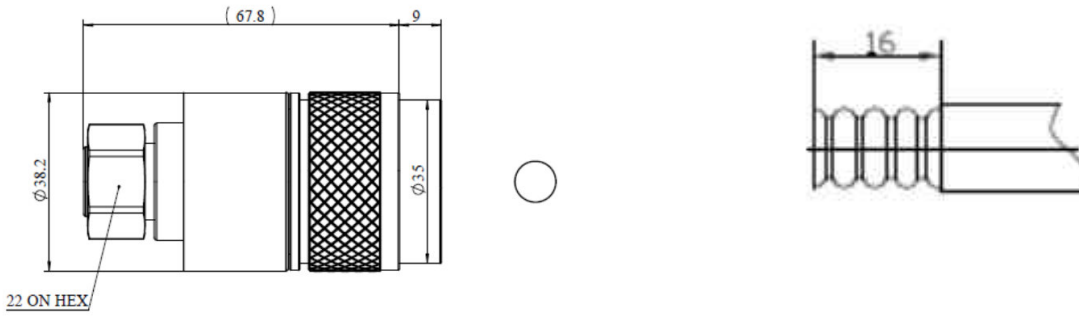


ACCESSORIES

| | | |
|----------------------|--|----------------------|
| Trimming Tool | | AFBXD05-41(Trimming) |
|----------------------|--|----------------------|

TESTING AND ENVIRONMENTAL

| | | |
|------------------------------|--------|------------------------|
| Waterproof Level | | IP68 |
| Operation Temperature | °C(°F) | -40 to 85 (-40 to 185) |



[External Document Links](#)
[Installation Instruction](#)

[Notes](#)